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IN THE CLAIMS

- (currently amended): A semiconductor device, comprising:
- a semiconductor substrate having a surface formed with a first recessed region;
- a first dielectric material deposited in the first recessed region and formed with a second recessed region having walls; and
- a semiconductor layer formed in proximity to the second recessed region; and
- a thermal oxide layer formed integral with the semiconductor layer, wherein the thermal oxide layer seals the second recessed region while leaving a void in the second recessed region. second dielectric material formed over the first dielectric material by thermally exidising a semiconductor cap layer formed above the first dielectric material and adjacent to the second recessed region to seal the second recessed region.
- (original): The semiconductor device of claim 1, 2. further comprising an active device formed in an active region of the semiconductor substrate.
- (original): The semiconductor device of claim 1, 3. further comprising an electrical component formed over the second recessed region.
- (original): The semiconductor device of claim 3, wherein the electrical component comprises a passive device or bonding pad of the semiconductor device.

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- 5. (currently amended): The semiconductor device of claim 1, wherein the <u>semiconductor layer comprises polysilicon</u>.

 second dielectric material is formed by thermally oxidizing a polysilicon cap layer.
- 6. (original): The semiconductor device of claim 1, wherein the first dielectric material includes deposited silicon dioxide.
- 7. (original): The semiconductor device of claim 1, wherein the second recessed region is formed having a third dielectric material deposited on the walls.
- 8. (currently amended): The semiconductor device of claim
 1, wherein the <u>first dielectric material is recessed below</u>
 a major surface of the semiconductor substrate. second
 dielectric material is formed with thermally grown silicon
 diexide.
- 9. (currently amended): The semiconductor device of claim [[1,]] 8, wherein the first dielectric material is recessed below the major surface a distance of about 0.5 microns. a portion of the semiconductor cap layer remains above the first dielectric material.
- 10. (currently amended): The semiconductor device of claim [[1,]] 7, wherein the third dielectric layer comprises polysilicon. all of the semiconductor cap layer is exidized to form the second dielectric material.
- 11. (currently amended): The semiconductor device of claim [[1,]] 7, wherein the third dielectric layer comprises amorphous silicon. second recessed region extends into the

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semiconductor substrate to the depth of at least five micrometers.

Claims 12-25 (cancelled).

- 26. (currently amended): A semiconductor device, comprising:
- a semiconductor substrate having a surface formed with a first recessed region;
- a first dielectric material deposited in the first recessed region and formed with a second recessed region having an opening and walls; and
- a semiconductor cap layer formed adjacent the opening; and
- a second dielectric material thermally thermal oxide layer grown on the first semiconductor layer semiconductor layer to form a seal within the opening., wherein the seal is formed by converting at least a portion of a semiconductor cap layer to the second dielectric material, and wherein the semiconductor cap layer is formed adjacent the opening prior to forming the seal.
- 27. (previously presented): The semiconductor device of claim 26, wherein the semiconductor cap layer comprises polysilicon.
- 28. (currently amended): The semiconductor device of claim 27, wherein the second dielectric material thermal oxide layer includes thermally grown silicon dioxide.

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- 29. (previously presented): The semiconductor device of claim 26, further comprising an active device formed in an active region of the semiconductor substrate.
- (previously presented): The semiconductor device of 30. claim 26, further comprising an electrical component formed over the second recessed region.
- (previously presented): The semiconductor device of claim 30, wherein the electrical component comprises a passive device or bonding pad of the semiconductor device.
- (previously presented): The semiconductor device of 32. claim 26, wherein the second recessed region is formed having a third dielectric material deposited on the walls.
- (currently amended): The semiconductor device of claim 33. 32, wherein the third dielectric material includes one of polysilicon and amorphous silicon. silicon nitride.